

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-185193  
 (43)Date of publication of application : 06.07.2001

(51)Int.Cl.

H01M 8/06  
 H01M 8/04  
 H01M 8/10

(21)Application number : 11-366966

(22)Date of filing : 24.12.1999

(71)Applicant : SANYO ELECTRIC CO LTD

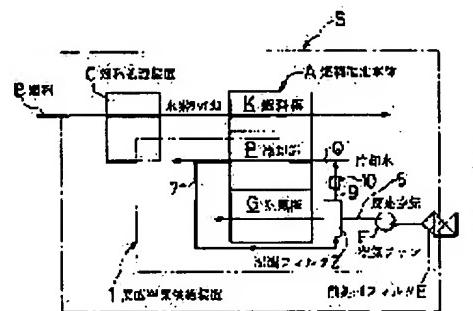
(72)Inventor : HATAYAMA RYUJI  
 HAMADA AKIRA

## (54) POWER GENERATING SYSTEM FOR FUEL CELL

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a power generating system for a fuel cell, in which impurities such as minute dust and salt, etc., included in the air supplied to the air pole of a fuel cell can be removed simply and efficiently.

**SOLUTION:** In a reactive air supply apparatus 1 of the power generating system for the fuel cell S, a wet filter 2 which is kept wet by the water supply means is arranged between an air fan F and an air pole G. In the water supply means, a circulation bypass line, which is branched off from a cooling water flow path Q that sends the cooling water into a cooling part of fuel cell main body A, is formed, and the water taken in from the cooling water flow path Q is led to the wet filter 2 to moisturize it by spraying or the like. For the air taken in from the outside, the coarse-grain dust is removed when the air passes a pretreatment filter E, and the impurities of minute dust and salt, etc., are removed when passing the wet filter 2. A dirt water containing the impurities is cleaned in the water processing apparatus 10 and put back in the cooling water flow path Q.



## LEGAL STATUS

[Date of request for examination] 18.01.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3389544

[Date of registration] 17.01.2003

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C) 1998,2003 Japan Patent Office

**Best Available Copy**